Metals Analysis Note:
Copper and zinc were detected in field blank (FB08). Lead and Zinc were detected in field blank (FB09). Therefore, as required for this project, sample results were qualified "B" when the values for lead, copper and zinc were less than 10X the value reported for the field blanks.

General Notes:
This report contains results for Volatiles (VOAs), Semivolatiles (SVOAs), and Alcohol analyses only. Sample for location HW39-P is identified by two lab sample numbers (1202001-24 and 1202001-48). Lab Sample 1202001-48 is associated with the Volatile analysis only.

SVOAs Analysis Note:
For this project two additional compounds are added to the SVOC analysis; 2-methoxyethanol and 1-methylnaphthalene. A separate calibration curve is used for these compounds with quality control requirements per the On-Demand protocol. For 2-methoxyethanol, the analysis is also being completed on each sample using the HPLC/MS/MS technique (Glycol analysis). Since SVOC extraction efficiencies are problematic for 2-methoxyethanol, the results from the HPLC/MS/MS technique should be used for these samples.

For all samples quantitation limits for 2-methoxyethanol are elevated due to zero percent recovery in the low-spike quality control check (BS1). For several samples quantitation limits for 2,4-dinitrophenol and 3,3'-dichlorobenzidine are elevated due to zero percent recovery in the low-spike quality control check (BS1). For several samples, quantitation limits for acenaphthene, bis(2-chloroisopropyl) ether, 4-bromophenyl phenyl ether, 4,6-dinitro-2-methylphenol, 2,6-dinitrotoluene, fluorene, pentachlorophenol, phenanthrene, pyrene, 4-chloroaniline, and 3-nitroaniline are elevated due to low percent recovery in the low-spike quality control check (BS1). Results for most of the mid-level spike quality control check (BS2) are within acceptance limits; therefore, quantitation limits are raised to the mid-level value. Results for the mid-level quality control check for 2-methoxyethanol for several samples are qualified as rejected "R" due to zero percent recovery. In the report, only 16 compounds are reported for blank spike quality control check samples. Quality control information about the additional spiked compounds is available in the case file.

For sample 1202001-17, quantitation limit for hexachloroethane is qualified as estimated "UJ" due to low recovery in the matrix spike quality control check.

Surrogates were double spiked in sample 1202001-05. Recovery criteria were met with no impact on quality of results.

Result for bis-(2-ethylhexyl)phthalate in the laboratory blank (BB20502-BLK) is 1.1 ug/L. Sample results are qualified as possible blank contamination "B" when the value is less than 10x the laboratory blank value. For sample 1202001-23 the bis-(2-ethylhexyl)phthalate result is 5.7 ug/L; which is less than the 10x value but greater than 5x.

Results for a limited number of parameters found in all samples have been qualified "B" because of contamination found in either the method blank, field blank, or equipment blank.

VOA Analysis Note:
A low level second source blank spike analyzed at a concentration of 2 ug/L had a recovery of 140%. A mid level second source blank spike analyzed at a concentration of 5 ug/L had a recovery of 95%. Matrix spike/matrix spike duplicate analysis was performed for samples 1202001-17 and 1202001-23. Matrix spike recoveries for sample 1202001-17 were 105% and 91%. Matrix spike recoveries for sample 1202001-23 were 97% and 103%.

Acetone values greater than 2 ug/L have been qualified with a "J", estimated, since the initial calibration curve was outside of acceptance limits for this compound.

Nitrite/Nitrate and Total Nitrogen Analysis Note:
Result for nitrate/nitrite for sample 1202001-44 was qualified estimated 'J' due to the laboratory matrix spike results outside of criteria limits.

Result for total nitrogen for sample 1202001-13 was qualified estimated 'J' due to the laboratory duplicate results outside of criteria limits.

Oil and Grease Analysis Note:
The quantitation limit for several samples was qualified estimated 'UJ' due to the laboratory minimum reporting limit quality control check outside of criteria limits.